

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and  
IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and  
ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 09 JAPIO to be reloaded August 25, 2002  
NEWS 20 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 21 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 23 Aug 26 Sequence searching in REGISTRY enhanced

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 14:42:07 ON 27 AUG 2002

=> file reg

COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:42:20 ON 27 AUG 2002  
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STRUCTURE FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6  
DICTIONARY FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> aspartame

## L1 12 ASPARTAME

```
=> e aspartame/cn
E1      1      ASPARTACTIN (CHICKEN CLONE .LAMBDA.LNR1 PROTEIN MOIETY)/CN
E2      1      ASPARTAM HYDROCHLORIDE/CN
E3      1 --> ASPARTAME/CN
E4      1      ASPARTAME HEMIHYDRATE/CN
E5      1      ASPARTAME HYDROBROMIDE/CN
E6      1      ASPARTAME HYDROCHLORIDE/CN
E7      1      ASPARTAME SACCHARIN SALT/CN
E8      1      ASPARTAMIC ACID/CN
E9      1      ASPARTAMIDE/CN
E10     1      ASPARTAMIDE,
3-BROMO-N-((1,1-DIMETHYLETHOXY)CARBONYL)-5-HYDR
```

OXYTYROSYL-N1- (2-(3,5-DICHLORO-4-HYDROXYPHENYL)-1-(HYDROXYMETHYL)ETHYL)-3-HYDROXY-, CYCLIC (15.FWDARW.24)-ETHER/CN  
 E11 1 ASPARTAMIDE, ALANYLGLUTAMYLHISTIDIDYLPHENYLALANYLALANYL-/CN  
 E12 1 ASPARTAMIDE,  
 D-2-PHENYL-N- ((PHENYL METHOXY) CARBONYL) GLYCYL-N4  
     -METHYL-N1-(2-OXO-1-SULFO-3-AZETIDINYL)-, MONOSODIUM  
 SALT/CN

=> e3

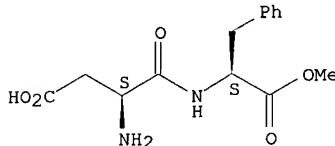
L2

1 ASPARTAME/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 22839-47-0 REGISTRY  
CN L-Phenylalanine, L-.alpha.-aspartyl-, 2-methyl ester (9CI) (CA INDEX  
NAME)  
OTHER CA INDEX NAMES:  
CN L-Phenylalanine, N-L-.alpha.-aspartyl-, 1-methyl ester  
CN Succinamic acid, 3-amino-N-(.alpha.-carboxyphenethyl)-, N-methyl ester,  
stereoisomer (8CI)  
OTHER NAMES:  
CN .alpha.-L-Aspartyl-L-phenylalanine methyl ester  
CN .alpha.-Sweet  
CN Aspartame  
CN Aspartylphenylalanine methyl ester  
CN Canderel  
CN Dipeptide sweetener  
CN E 951  
CN L-.alpha.-Aspartyl-L-phenylalanine methyl ester  
CN L-Aspartyl-L-3-phenylalanine methyl ester  
CN L-Aspartyl-L-phenylalanine methyl ester  
CN L-Aspartyl-L-phenylalanyl methyl ester  
CN Methyl aspartylphenylalanate  
CN NutraSweet  
CN Palsweet Diet  
CN Sweet dipeptide  
FS STEREOSEARCH  
DR 7421-84-3, 53906-69-7  
MF C14 H18 N2 O5  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,  
CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM,  
CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HODOC\*, HSDB\*, IFICDB, IFIPAT,  
IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC,  
PHARMASEARCH, PIRA, PROMT, RTECS\*, TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2334 REFERENCES IN FILE CA (1967 TO DATE)  
64 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2338 REFERENCES IN FILE CAPLUS (1967 TO DATE)

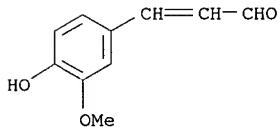
=> e coniferaldehyde/cn  
E1 1 CONIDIOSPORE SURFACE PROTEIN (TRICHODERMA HARZIANUM STRAIN  
A TCC 32173 GENE CMP1)/CN  
E2 1 CONIFEROL/CN  
E3 1 --> CONIFERALDEHYDE/CN  
E4 1 CONIFERALDEHYDE METHOXYMETHYL ETHER/CN  
E5 1 CONIFERALDEHYDE METHYL ETHER/CN  
E6 1 CONIFERAN/CN  
E7 1 CONIFERIC ACID/CN  
E8 1 CONIFERIN/CN  
E9 1 CONIFERIN .BETA.-GLUCOSIDASE/CN  
E10 1 CONIFERIN PENTAACETATE/CN  
E11 1 CONIFERIN, DIHYDRATE/CN  
E12 1 CONIFERIN-HYDROLYZING .BETA.-GLUCOSIDASE/CN

=> e3

L3 1 CONIFERALDEHYDE/CN

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 458-36-6 REGISTRY  
CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cinnamaldehyde, 4-hydroxy-3-methoxy- (6CI, 8CI)  
OTHER NAMES:  
CN 2-Methoxy-4-(3-oxo-1-propenyl)phenol  
CN 3-(4-Hydroxy-3-methoxyphenyl)acrolein  
CN 3-Methoxy-4-hydroxycinnamaldehyde  
CN 4-Hydroxy-3-methoxycinnamaldehyde  
CN Coniferaldehyde  
CN Coniferyl aldehyde  
CN Ferulaldehyde  
CN Ferulyl aldehyde  
CN p-Coniferaldehyde  
FS 3D CONCORD  
MF C10 H10 O3  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CAOLD, CAPIUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM,  
DDFU, DRUGU, EMBASE, HODOC\*, MEDLINE, NAPRALERT, NIOSHTIC, PIRA,  
SPECINFO, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

388 REFERENCES IN FILE CA (1967 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
388 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
28 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus			
COST IN U.S. DOLLARS		SINCE FILE	TOTAL
FULL ESTIMATED COST		ENTRY	SESSION
		16.30	16.51

FILE 'CAPLUS' ENTERED AT 14:43:59 ON 27 AUG 2002  
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FILE COVERS 1907 - 27 Aug 2002 VOL 137 ISS 9  
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> 12  
L4 2346 L2  
  
=> 13  
L5 388 L3  
  
=> 14 and 15  
L6 2 L4 AND L5  
  
=> d 16 1-2 ti fbib abs  
  
L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS  
TI Process for producing aspartyl dipeptide ester derivatives  
AN 2001:833348 CAPLUS  
DN 135:358168  
TI Process for producing aspartyl dipeptide ester derivatives  
IN Kawahara, Shigeru; Nagashima, Kazutaka; Takemoto, Tadashi

PA Ajinomoto Co., Inc., Japan  
SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001085761	A1	20011115	WO 2001-JP3479	20010423
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				JP 2000-137028 A	20000510

OS CASREACT 135:358168; MARPAT 135:358168

AB This document discloses a process for conveniently producing on an industrial scale in high yield

N-[N-(3-(phenyl)propyl]-L-.alpha.-aspartyl]-

L-phenylalanine 1-Me ester derivs., which are expected to be sweeteners, by reductively alkylating aspartame with 3-phenyl-2-propenyl aldehyde derivs. under hydrogen in the presence of a catalyst and a base.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

TI Process for producing and purifying aspartame derivative as sweetener  
AN 2001:185780 CAPLUS

DN 134:223039

TI Process for producing and purifying aspartame derivative as sweetener  
IN Amino, Yusuke; Yuzawa, Kazuko; Takemoto, Tadashi

PA Ajinomoto Co., Inc., Japan

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001018034	A1	20010315	WO 2000-JP5665	20000823
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				JP 1999-253498 A	19990907

OS CASREACT 134:223039

AB This document discloses the following : a method for industrially producing

N-[N-(3-(3-methoxy-4-hydroxyphenyl)propyl]-L-.alpha.-aspartyl]-L-phenylalanine 1-Me ester which is useful as a sweetener, in particular, a

process for producing the target compd. in a high yield by the reductive alkylation reaction of aspartame with 3-(3-methoxy-4-hydroxyphenyl)propionaldehyde or its deriv.; a method of effectively purifying the target compd. contaminated with impurities invading thereinto at various prodn. stages (involving methods other than the above-described reductive alkylation), more particularly, a method of sepg. the target compd. in the form of highly pure crystals; the crystals;

sweeteners contg. the same; and utilization thereof in various products which are to be sweetened.  
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> save temp l4 aspartame/a  
ANSWER SET L4 HAS BEEN SAVED AS 'ASPARTAME/A'

=> save temp 15 coniferal/a  
ANSWER SET L5 HAS BEEN SAVED AS 'CONIFERAL/A'

=> save temp all sweet/l  
L# LIST L1-L6 HAS BEEN SAVED AS 'SWEET/L'

```

=> logoff hold
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                           7.35          23.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                    ENTRY        SESSION
CA SUBSCRIBER PRICE                          -1.24          -1.24

```

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 14:48:23 ON 27 AUG 2002  
Connection closed by remote host

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \* \*

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NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
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IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and  
ZCAPLUS